Product Features:

OPM, VFL, AND SLS STANDARD ON ALL 930XC MODELS

FAST.
• One button test functions. Start measurements with the push of one button.
• Autotest. Automatically sets test parameters for optimum test results.
• Live fiber testing.* Tests fibers without disrupting live services.

ACCURATE.
• Graphical interface. Easy to read, even in low or bright lighting conditions.
• Up to 38 dB dynamic range. Probe longer cables and see smaller reflections.
• Measure lengths and defects. Quickly locates faults.

RELIABLE.
• Link Viewer annotates the entire fiber link in an easy to interpret Pass/Fail format.
• Macrobend analysis locates troublesome fiber losses at 1550nm.
• Cable acceptance reports. Generate customized reports that include trace signature and fiber events.
• Long life battery. Work longer without recharge – up to 8 hours continuous use.

OTDR CABLE ACCEPTANCE REPORT GENERATION
MACROBEND ANALYSIS
• Quickly locate and measure losses at 1550nm
• User defined thresholds

OTDR TRACE LINK VIEWER
• Automated Pass/Fail event analysis
• User defined thresholds
• Intuitive user interface for technician review
INSTRUMENT SETUP

- Auto mode selects optimal distance range and pulsewidth
- All settings selected through easy to use menu selections
- Short pulsewidth (5ns) available for high-resolution measurements
- Color and high intensity monochrome settings for bright sunlight conditions
- Complete control of fiber analysis settings for auto measurement of splice and end of fiber

OPERATION MODES

OTDR TRACE

- View and measure test results
- One button measurement of distance and loss information

Event View Mode
Page through each loss event for location in (meters/miles and feet) and loss in dB

Manual Measurement Mode
Perform manual measurement with A and B cursor for distance, loss and reflectance measurements

Measurement Setup
View settings used to acquire measurement

Fiber Analysis Software
View settings used for auto measurement of events

HI-RESOLUTION EVENT VIEWING

- Easy to view and measure in high-resolution mode
- One button to jump to high resolution view
- One button jump back to entire trace view
- 0.1 meter sampling resolution
- Active cursor snaps to the next event in the fiber analysis table

Specifications

<table>
<thead>
<tr>
<th>MODEL</th>
<th>930XC-20C</th>
<th>930XC-30F</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wavelength</td>
<td>1310/1550nm</td>
<td>1310/1550/1625nm</td>
</tr>
</tbody>
</table>
| Dynamic Range | 35 dB
^       | 38/37/37 dB
^       |
| Event Deadzone | 1m
^       | 1m
^       |
| Attenuation Deadzone | 4.5m
^       | 4.5m
^       |
| Pulsewidth | 5ns, 10ns, 30ns, 100ns, 300ns, 1µs, 2.5µs, 10µs, 20µs |
| Selectable Ranges | 0.3, 1.3, 2.5, 5, 10, 20, 40, 80, 120, 160, 240km |
| Average Time | 15s/30s/1min/2min/3min |
| Distance Measurement Accuracy | ±(1m + 5 x 10^-5 x distance + sampling space) |
| Connector Type | PC or APC (interchangeable FC, SC, ST) |
| Reflection Detect Accuracy | ±6 dB |
| Linearity | ±0.05 dB/dB |
| Measurement Data Storage | 1,000 test curves |
| Data Transmission | USB port |
| Visual Fault Locator (VFL) | -3dBm; 650nm |
| Optical Power Meter (OPM) | InGaAs |
| OPM Wavelengths | 850, 1300, 1310, 1490, 1550, 1625nm |
| OPM Range | +6 to -70dBm (+6 to -60dBm at 850nm) |
| OPM Display resolution | 0.01dB |
| OPM MDD Identification | 1kHz, 2kHz |
| Stabilized laser Source (SLS) | Fiber wavelength same as selected in OTDR mode ≤ -7dBm |
| Power Supply | NiMH chargeable battery/AC adapter |
| Battery Life | Support over 8 hours operating on one charge or over 20 hours standby |
| Operating Temperature | -10° to 50° C |
| Storage Temperature | -20° to 60° C |
| Relative Humidity | 0 to 95% (non-condensing) |
| Weight | 1.9 lbs. (0.87 kg) |
| Dimensions | 7.7” H x 3.9” W x 2.4” L (196mm x 100mm x 64mm) |
| Compliance | CE, FCC, UL |
| Password Protection | Owner defined password feature (Recoverable) |

*Specifications subject to change without notice

^ Using a pulse width of 20µs

^ Using a pulse width of 5ns measuring a -45dB event
930XC OTDR
OPTICAL TIME-DOMAIN REFLECTOMETER

EACH MODEL COMES WITH:

- Instrument
- Rechargeable battery
- OTDR Trace Viewer software
- Installation disk
- Data transfer cable
- AC adapter
- Protective cover
- Carrying case
- Warranty card

Default language is English and Spanish. Alternate languages of Russian, Portuguese, Polish, French and German available upon request.

ORDERING INFORMATION:

<table>
<thead>
<tr>
<th>CAT. NO.</th>
<th>UPC NO.</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>DUAL WAVELENGTH SINGLE MODE OTDR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>930XC-20C-UPC-FC</td>
<td>02610</td>
<td>OTDR, SM DUAL WAVE, 13/15, OPM, SLS, UPC FC</td>
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<tr>
<td>930XC-20C-UPC-SC</td>
<td>02609</td>
<td>OTDR, SM DUAL WAVE, 13/15, OPM, SLS, UPC SC</td>
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<tr>
<td>930XC-20C-UPC-ST</td>
<td>02611</td>
<td>OTDR, SM DUAL WAVE, 13/15, OPM, SLS, UPC ST</td>
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<td>930XC-20C-APC-FC</td>
<td>02613</td>
<td>OTDR, SM DUAL WAVE, 13/15, OPM, SLS, APC FC</td>
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<tr>
<td>930XC-20C-APC-SC</td>
<td>02612</td>
<td>OTDR, SM DUAL WAVE, 13/15, OPM, SLS, APC SC</td>
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<tr>
<td>TRIPLE WAVELENGTH SINGLE MODE FILTERED OTDRS</td>
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<tr>
<td>930XC-30F-UPC-FC</td>
<td>02620</td>
<td>OTDR, SM TRIPLE FILT, 13/15/16, OPM, SLS, UPC FC</td>
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<tr>
<td>930XC-30F-UPC-SC</td>
<td>02619</td>
<td>OTDR, SM TRIPLE FILT, 13/15/16, OPM, SLS, UPC SC</td>
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<tr>
<td>930XC-30F-UPC-ST</td>
<td>02621</td>
<td>OTDR, SM TRIPLE FILT, 13/15/16, OPM, SLS, UPC ST</td>
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<tr>
<td>930XC-30F-APC-FC</td>
<td>02626</td>
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<tr>
<td>930XC-30F-APC-SC</td>
<td>02623</td>
<td>OTDR, SM TRIPLE FILT, 13/15/16, OPM, SLS, APC SC</td>
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ACCESSORIES:

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<th>DESCRIPTION</th>
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<td>AC-ADPT-20-UNI</td>
<td>25691</td>
<td>Universal Power Supply</td>
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<tr>
<td>AC-CONN-FC-L2</td>
<td>20996</td>
<td>FC Connector (For UPC &amp; APC)</td>
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<tr>
<td>AC-CONN-ST-L2</td>
<td>20997</td>
<td>ST Connector (For UPC)</td>
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<tr>
<td>AC-CONN-SC-UPC-L2</td>
<td>06445</td>
<td>SC Connector (For UPC)</td>
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<tr>
<td>AC-CONN-SC-APC-L2</td>
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<td>SC Connector (For APC)</td>
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<td>ADAPTER, OPM SC (930XC)</td>
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<td>OPM SC Adapter</td>
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<tr>
<td>ADAPTER, OPM FC (930XC)</td>
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<td>OPM FC Adapter</td>
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<tr>
<td>ADAPTER, OPM ST (930XC)</td>
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<td>OPM ST Adapter</td>
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<tr>
<td>AC-CONN-ST-L2</td>
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<td>ST Connector (For UPC Only)</td>
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<td>1155-0526</td>
<td>10582</td>
<td>Vehicle Adapter (6FT, 5.5 DD, 2.1M)</td>
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<td>20989</td>
<td>20989</td>
<td>USB Cable For OTDR</td>
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<td>20999</td>
<td>20999</td>
<td>NiMH Battery (9.6V)</td>
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<tr>
<td>LC-500</td>
<td>05625</td>
<td>500m Universal Launch Cable</td>
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</tbody>
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